Express Mail: EV 331871915 US Attorney Docket: 2500803-900101 For: Distributed on-demand media transcoding system and method, filed August 20, 2003 Inventors: Angela C. W. Lai, et al.; Page 1 of 14 Attorney: Andrew V. Smith, 415-836-2522

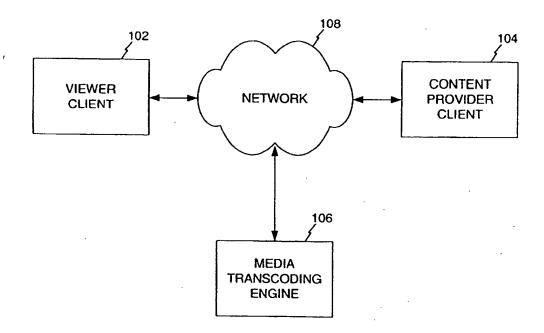


FIG. 1

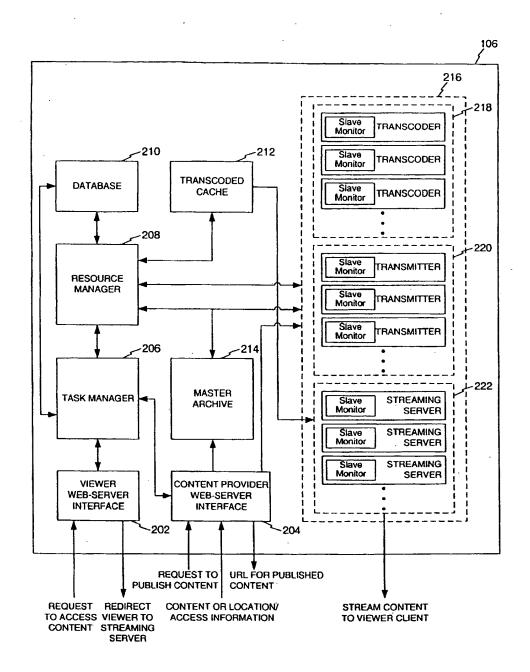


FIG. 2

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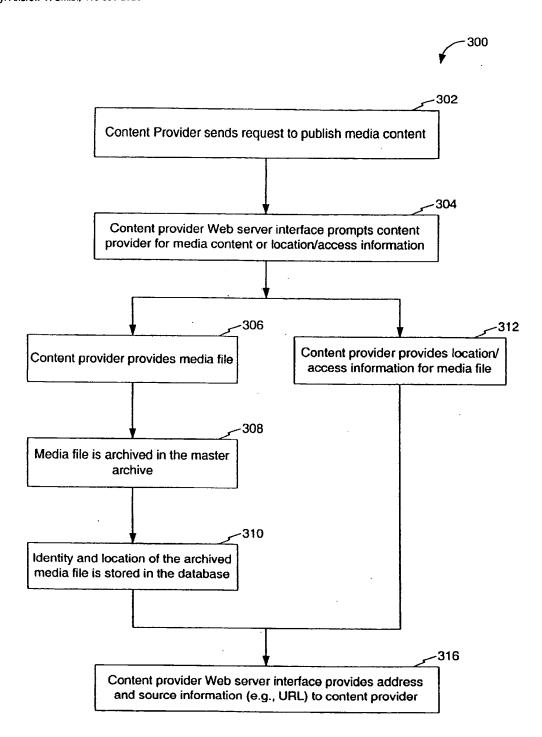
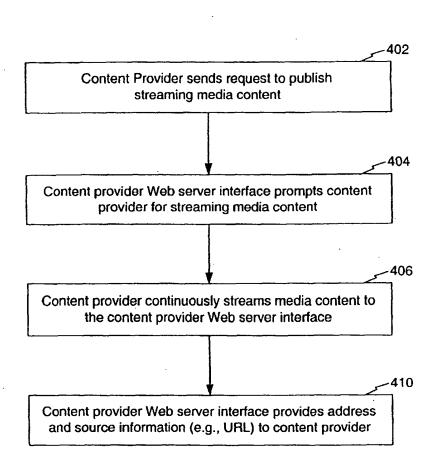


FIG. 3



400

FIG. 4

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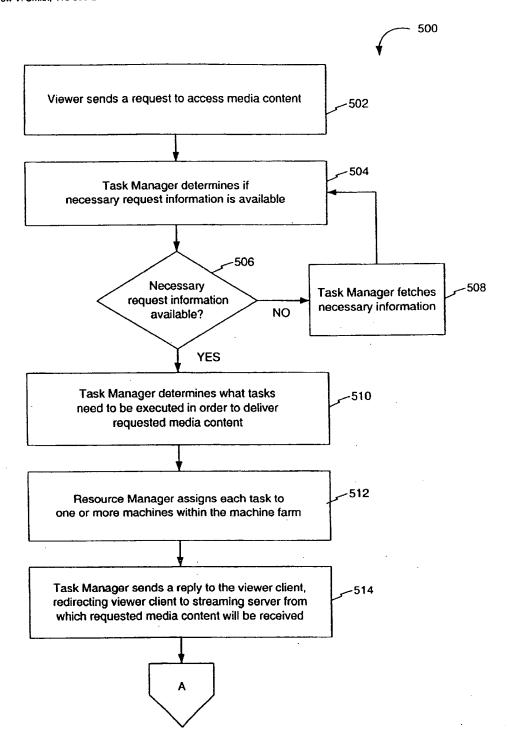


FIG. 5A

Express Mail: EV 331871915 US Attorney Docket: 2500803-900101 For: Distributed on-demand media transcoding system and method, filed August 20, 2003 Inventors: Angela C. W. Lai, et al.; Page 6 of 14 Attorney: Andrew V. Smith, 415-836-2522 532 YES NO **AUTO SOURCE TYPE DETECTION ON?** 53Y 536 REQUEST INPUT THROUGH SOURCE INTERFACE? FETCH SOURCE TYPE INFORMATION FROM SOURCE SERVER/CLIENT 538 **AUTO DESTINATION** NO TYPE DETECTION ON? 540 542 FETCH DESTINATION TYPE REQUEST INPUT THROUGH DESTINATION INTERFACE? INFORMATION FROM DESTINATION SERVER/CLIENT user

F16.5B

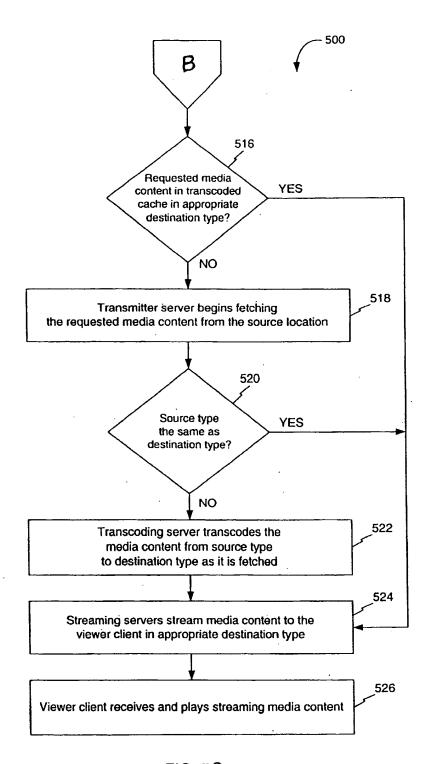
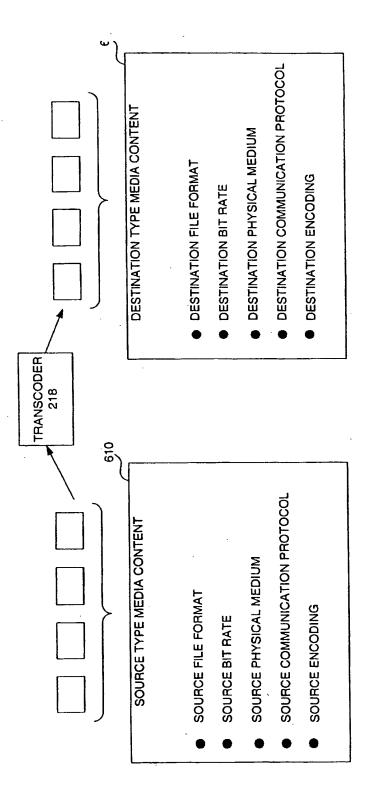


FIG. 5C



/PE	ORK			
DESTINATION TYPE 760	WIRELESS NETWORK	НТТР	MP3	12 kbps
DESTINATION TYPE 750	INTERNET	WINDOWS MEDIA STREAMING MMS PROTOCOL	WINDOWS MEDIA	56 kbps
SOURCE TYPE 710	LOCAL DISK	FILE I/O	MP3	128 kpbs
PUBLISHING VARIABLES	PHYSICAL MEDIUM	COMMUNICATION PROTOCOL	CONTAINER FORMAT	ENCODING BIT RATE

FIG. 7

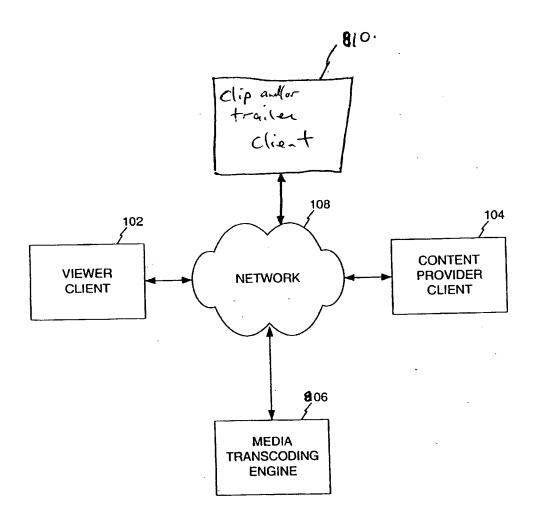


FIG. 8A

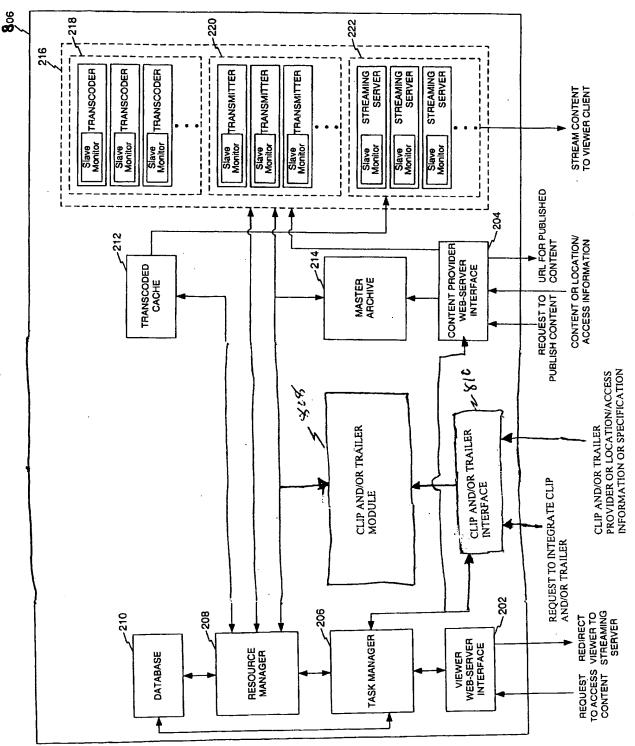


FIG. 8B

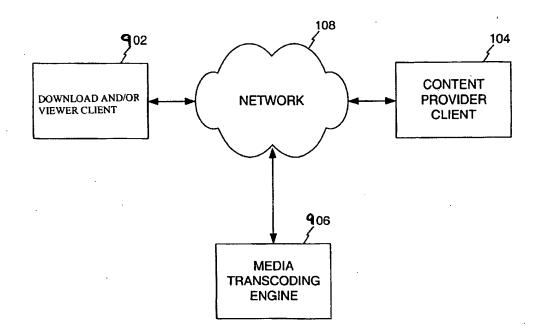


FIG. 9A

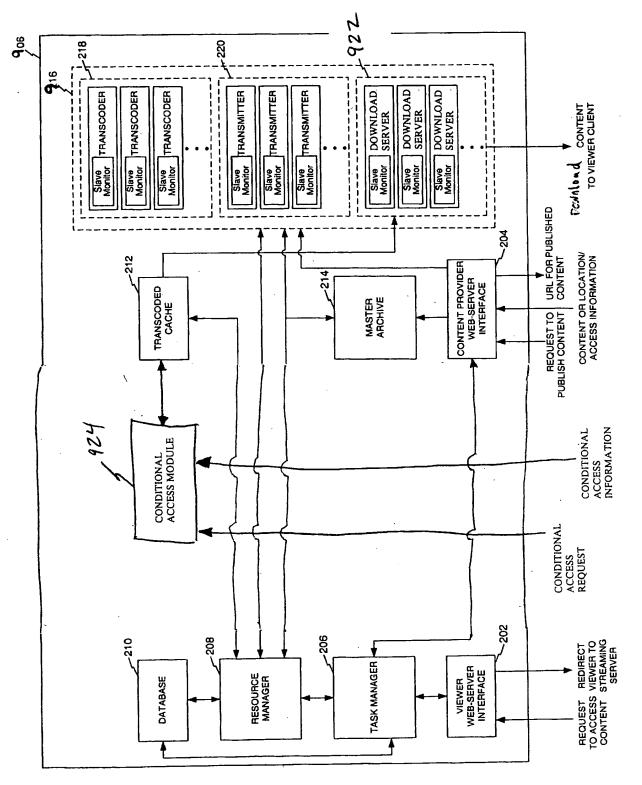
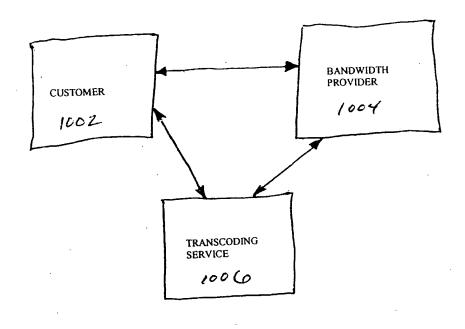


FIG. 9B

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Attorney: Andrew V. Smith, 415-836-2522



F16. 10

## STEADY CACHE TRANSFER BALANCING

## ON-PEAK CACHING OPERATION

- •CACHE AND STREAM REQUESTED CONTENT
- •PULL RECORDS FROM PRE-CACHE ARCHIVE
- •STREAM PRE-CACHE RECORDS

## OFF-PEAK CACHING OPERATIONS

- •CACHE AND STREAM REQUESTED CONTENT
- PRE-CACHE ANTICIPATED AND/OR PRE-ORDER CONTENT
- •STORE PRE-CACHE RECORDS INTO PRE-CACHE ARCHIVE